

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-122  
Relating to Certification of New Motor Vehicles

NISSAN MOTOR CO., LTD.

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JNS1.6V5FDC7	1.6 (97.5)	Exhaust Gas Recirculation Air Injection - Valve Three-Way Catalyst Heated Oxygen Sensor (Central Fuel Injection)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.39	7.0	0.7

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.18	3.1	0.4

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.) and with Health and Safety Code Section 43204.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 12<sup>th</sup> day of June, 1987.

  
K. D. Drachand, Chief  
Mobile Source Division

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Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FDC7Evaporative Family: TBI-4 Engine Type: In-line 4, OHCLiters (CID): 1.6 (97.5)

## ABBREVIATIONS

<u>Ignition System</u>	<u>Exhaust Emission Control System</u>	<u>Special Features</u>
CA-Centrifugal Advance	AIP-Air Injection-Pump	CCV-Combustion Chamber Valve
EEC-Electronic Engine Control	AIV-Air Injection-Valve	CFI-Central Fuel Injection or Throttle Body Injection
EI-Electronic Ignition	DBC-Dual Bed Catalyst	DID-Diesel Injection-Direct
ESAC-Electronic Spark Advance Control	EGR-Exhaust Gas Recirculation	DIP-Diesel Injection-Prechamber
VA-Vacuum Advance	EM-Engine Modification	EFI-Electronic Fuel Injection
VR-Vacuum Retard	OC-Oxidation Catalyst System	IC-Intercooler or aftercooler
	SPL-Smoke Puff Limiter or Throttle Delay	MFI-Mechanical Fuel Injection
	TOC-Trap Oxidizer, Continual	TC-Turbocharger
	TOP-Trap Oxidizer, Periodical	OBD-On-Board Diagnostics
	EIC-Electronic Injection Control	
	TWC-Three-Way Catalyst System	
	ECC-Electronic Control Carburetor	
	ECCS-Electronic Concentrated Control System	
	OS-Oxygen Sensor	
	HOS-Heated Oxygen Sensor	
	WUOC-Warm-Up Oxydation Catalyst	
	WUTWC-Warm-Up Three-Way Catalyst	

Fuel SystemCFI, CL, DID, DIP, EFI, MFI  
nV-nVenturi CarburetorVEHICLE MODELS:

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
BE16ICM5	-----SENTRA STANDARD 2-DOOR SEDAN-----	4-Speed Manual
BE16ICM6	-----SENTRA STANDARD 2-DOOR SEDAN-----	5-Speed Manual
AE16ICM6	-----SENTRA E 2-DOOR SEDAN SENTRA XE 2-DOOR SEDAN SENTRA E 4-DOOR SEDAN SENTRA XE 4-DOOR SEDAN SENTRA GXE 4-DOOR SEDAN	5-Speed Manual

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VEHICLE MODELS:

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
AE16ICM6	SENTRA E 3-DOOR HATCHBACK	-----5-Speed Manual
	SENTRA XE 3-DOOR HATCHBACK	
	SENTRA XE HATCHBACK COUPE	
BE16ICM6	SENTRA SE HATCHBACK COUPE	
	SENTRA E WAGON	
	SENTRA XE WAGON	

Engine: Front X Mid.        Rear       

Drive : FWD X RWD        4WD Full Time        4WD Part Time

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Passenger Cars X Light-Duty Trucks        Medium-Duty Vehicles        Gas X Diesel       

Manufacturer: NISSAN MOTOR CO., LTD.      Engine Family: JNS1.6V5FDC7  
 Liter (CID) : 1.6 (97.5)                      Eng. Type: In-line 4, OHC  
 Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst *** Part No.
BE16ICM5	SENTRA STANDARD 2-DOOR SEDAN (7.3)	M4	2500				
	SENTRA E 2-DOOR SEDAN (7.3)		2500	Distributor D4P83-03 (HITACHI)	Air Flow Meter A36-000	EGR Valve AEY76-46	Z-xx, x1 Z-xx, x2
	SENTRA XE 2-DOOR SEDAN (7.3)			T4T84471 (MITSUBISI)	Control Unit A11-A32		xx, xP xx, xQ
AE16ICM6	SENTRA E 4-DOOR SEDAN (7.3)	M5	2625	Control Unit A11-A32	Fuel Injector A46-000		
	SENTRA XE 4-DOOR SEDAN (7.3)						
	SENTRA GXE 4-DOOR SEDAN (7.3)						

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

\*\*\* The figures and numbers in the place of the mark x are variable according to lot number and production date.

Issue Date: 03/13/87  
 Revision Date:

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E.O. # A-15-122Page 4Passenger Cars X Light-Duty Trucks        Medium-Duty Vehicles        Gas X Diesel       

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FDC7

Liter (CID) : 1.6 (97.5)

Eng. Type: In-line 4, OHC

Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No	Catalyst *** Part No.
AE161CM6	SENTRA E 3-DOOR HATCHBACK (7.8)	M5	2625	Distributor D4P83-03 (HITACHI)  T4T84471 (MITSUBISI)  Control Unit A11-A32	Air Flow Meter A36-000  Control Unit A11-A32  Fuel Injector A46-000	EGR Valve AEY76-46	Z-xx, x1
	SENTRA XE 3-DOOR HATCHBACK (7.8)						Z-xx, x2
	SENTRA XE HATCHBACK COUPE (6.7)						xx, xP
	SENTRA SE HATCHBACK COUPE (6.7)						xx, xQ
	SENTRA E WAGON (8.9)						
	SENTRA XE WAGON (8.9)		2750				

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Passenger Cars X Light-Duty Trucks        Medium-Duty Vehicles        Gas X Diesel       

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FDC7

Liter (CID) : 1.6 (97.5) Eng. Type: In-line 4, OHC

Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst *** Part No.
BE16ICM8	SENTRA STANDARD 2-DOOR SEDAN (7.3)	M5	2500	Distributor D4P83-03 (HITACHI)	Air Flow Meter A36-000	EGR Valve AEY76-46	Z-xx, x1
	SENTRA E 2-DOOR SEDAN (7.3)						Z-xx, x2
	SENTRA XE 2-DOOR SEDAN (7.3)			T4T84471 (MITSUBISI)	Control Unit A11-A32		xx, xP
	SENTRA E 4-DOOR SEDAN (7.3)			Control Unit A11-A32	Fuel Injector A46-000		xx, xQ
	SENTRA XE 4-DOOR SEDAN (7.3)		2625				
	SENTRA GXE 4-DOOR SEDAN (7.3)						

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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Passenger Cars X Light-Duty Trucks        Medium-Duty Vehicles        Gas X Diesel       

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FDC7  
 Liter (CID) : 1.6 (97.5) Eng. Type: In-line 4, OHC  
 Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU)  Part No.	Fuel System  Part No.	EGR Valve  Part No	Catalyst ***  Part No.
BE16 ICM6	SENTRA E 3-DOOR HATCHBACK (7.8)	M5	2500	Distributor D4P83-03 (HITACHI)  T4T84471 (MITSUBISI)	Air Flow Meter A36-000  Control Unit A11-A32	EGR Valve AEY76-46	Z-xx, x1
	SENTRA XE 3-DOOR HATCHBACK (7.8)						Z-xx, x2
	SENTRA XE HATCHBACK COUPE (6.7)						xx, xP
	SENTRA SE HATCHBACK COUPE (6.7)		2625	Control Unit A11-A32	Fuel Injector A46-000		xx, xQ
	SENTRA E WAGON (8.1)						
	SENTRA XE WAGON (8.1)						

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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